

DANIEL W. SEPKOVIC, Ph.D.

Education: Western Connecticut State College, Danbury, CT - 1976. B.A. Biology/Chemistry
 Fordham University, Bronx, NY - 1978. M.S. Biology (Cytology)
 Fordham University, Bronx, NY - 1982. Ph.D. Endocrinol./Toxicol.
 American Health Foundation, Valhalla, NY - 1982. Post-Doctoral

Professional Experience

1985-present Senior Associate, Section of Clinical Biochemistry, Division of Nutrition and Endocrinology, American Health Foundation, Valhalla, NY.

1984-1986 Associate, Section of Clinical Biochemistry, Division of Nutrition and Endocrinology, American Health Foundation, Valhalla, NY.

1983-1985 Adjunct Assistant Professor of Biology, Bronx Community College, Bronx, NY.

1982-1984 Post-Doctoral Fellow at the American Health Foundation, Valhalla, NY. Areas of investigation focus on nicotine toxicology and the health effects of tobacco smoke components, in the biochemical effects of tobacco smoke metabolites and in the hormonal perturbations caused by the use of tobacco products. Special emphasis is placed on the relationship between cigarette smoking, low thyroid function and atherosclerosis.

1980-1981 Teaching Fellow at Fordham University supervising undergraduate Zoology and General Biology laboratories.

1980-1982 Research Assistant-Specialization in endocrine physiology and the effects of environmental toxicants on hormonal regulatory mechanisms. Thesis title: Effects of PCB and PBB Isomer on Triiodothyronine Secretion and Degradation, Adrenal Function and Cationic Transport.

1979 W. Alton Jones Foundation Fellowship for the study of vertebrate cell and organ culture at Lake Placid, NY.

1979-1980 Instructor of Biology, Mount Sinai School of Medicine SETH Program. Responsibilities included course development and instruction in Anatomy and Physiology, Cell Biology, Health Career Science, Genetics and General Chemistry.

1978-1979 Instructor of Biology at the College of Mount Saint Vincent, Riverdale, NY. Duties included teaching and supervision of General Biology laboratories.

1976-1979 Graduate Assistantship at Fordham University. Responsibilities included supervision of Electron Microscopy, Microbiology and Zoology laboratories. Duties in electron microscopy involved the supervision of graduate students in TEM techniques specifically, fixation embedding and ultrastructural examination of mammalian and isopod tissue.

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Selected Publications:

Sepkovic, D.W., Haley, N.J., Axelrad, C.M. and Wynder, E.L. Cigarette smoking as a risk for cardiovascular disease III. Smoker compensation with increasing nicotine yield cigarettes. *Addict. Behav.* **9**: 59-68, 1983.

Sepkovic, D.W., Haley, N.J. and Wynder, E.L. Thyroid activity in cigarette smokers. *Arch. Intern. Med.* **144**: 501-503, 1984.

Sepkovic, D.W., Parker, K., Axelrad, C.M., Haley, N.J. and Wynder, E.L. Cigarette smoking as a risk for cardiovascular disease V: Biochemical parameters with increased and decreased nicotine content cigarettes. *Addict. Behav.* **9**: 255-263, 1984.

Haley, N.J., Sepkovic, D.W., Hoffmann, D. and Wynder, E.L. Cigarette smoking as a risk for cardiovascular disease VI. Comparison with nicotine availability as a single variable. *Clin. Pharmacol. Ther.* **38**: 164-170, 1985.

Sepkovic, D.W. and Haley, N.J. Biomedical applications of cotinine quantitation in smoking related research. *Am. J. Publ. Health* **75**: (6) 663-665, 1985.

Sepkovic, D.W. Colorimetric determination of thiocyanate in saliva, blood and urine. In: *Environmental Carcinogens: Methods of Analysis and Exposure Measurement*. Vol. 9 - Passive Smoking (J.F. O'Neill et al., eds.) IARC Sci. Publ. **81**: 1987, pp 331-337.

Sepkovic, D.W., Haley, N.J., Haley, Axelrad, C.M., Shigematsu, A. and LaVoie, E.J. Short-term studies on the *in vivo* metabolism of N-oxides of nicotine in rats. *J. Toxicol. Environ. Health* **18**: 205-214, 1986.

Sepkovic, D.W., Colosimo, S., Axelrad, C.M., Adams, J.D. and Haley, N.J. The delivery and uptake of nicotine from an aerosol rod. *Amer. J. Public Health* **76**: 1343, 1986.

Sepkovic, D.W., Haley, N.J. and Hoffmann, D. Elimination from the body of tobacco products by smokers and passive smokers. *JAMA* **256**: 863, 1986.

Axelrad, C.M., Sepkovic, D.W., Colosimo, S.G. and Haley, N.J. Biochemical validation of cigarette smoke exposure and tobacco use. In: *Short-term bioassays in the analysis of complex mixtures V*. S.S. Sandhu et al. (eds.) Plenum Press, New York, 1986, pp 115-126.

Hoffmann, D., Brunnemann, K.D., Haley, N.J., Sepkovic, D.W. and Adams, J.D. Nicotine uptake by nonsmokers exposed to passive smoking under controlled conditions and the elimination of cotinine. In: *Indoor Air '87*, Vol. 2, B. Sertler, et al. (eds.) Berlin: Institute for Water, Soil and Air Hygiene, 1987, pp 13-17.

Sepkovic, D.W., Marshall, M., Rogers, W., Cronin, P.A., Colosimo, S.G. and Haley, N.J. Thyroid function and cigarette smoking in baboons. *Proc. Soc. Exp. Biol. Med.* **187**: 223-228, 1988.

Sepkovic, D.W., Axelrad, C.M., Colosimo, S.G. and Haley, N.J. Measuring tobacco smoke exposure. Clinical applications and passive smoking. In: *Proceedings of the Air Pollution Control Association*, Vol. 5: 87-80.2, 1987.

Haley, N.J., Sepkovic, D.W., Louis, E. and Hoffmann, D. Absorption and elimination of nicotine by smokers, nonsmokers and chewers of nicotine gum. In: *The Pharmacology of Nicotine*, (M.J. Rand and K. Thraue, eds.), Vol. 9, IRL Press, Washington, D.C., 1987, pp.20-22.

Sepkovic, D.W., Riche, J.P., Jr., Axelrad, C.M., DeNicola, M.A. and Haley, N.J. Nicotine metabolism in naive and nicotine treated rats. *International Conference on Nicotine Receptors in the CNS*. Uppsala (Sweden), (in press), 1989.

Haley, N.J., Sepkovic, D.W., Brunnemann, K.D. and Hoffmann, D. Biomarkers for assessing environmental tobacco smoke uptake. *Proceedings of the 81st Annual Meeting of the Air Pollution Control Association*, Niagara Falls, N.Y., 1989 (in press).

Haley, N.J., Colosimo, S.G., Axelrad, C.M., Harris, R. and Sepkovic, D.W. Biochemical validation of self-reported exposure to environmental tobacco smoke. *Environ. Res.* (in press) 1989.

Haley, N.J., Axelrad, C.M. and Sepkovic, D.W. Assessment of environmental tobacco smoke uptake by non-smokers. Presented at the Society of Behavioral Medicine Annual Scientific Sessions. San Francisco, CA, March 30 - April 1, 1989.

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